SCENARIO BASED SQL QUESTIONS

> ➢ **Find top 5 most revenue earning products?**

CREATE TABLE PRODUCTS
(
PRODUCT_ID INT,
PRODUCT_CATEGORY VARCHAR (40),
PRODUCT_NAME VARCHAR (40),
Revenue INT
);

INSERT INTO PRODUCTS VALUES (1, 'FURNITURE','CHAIR', 6000),
(2,'ELECTRONICS','FAN',80000),
(3,'BEAUTY','SHAMPOO', 20000),
(4,'FASHION','T-SHIRT',30000),
(5,'GROCERIES','FRUITS',40000),
(6,'MOBILE','SAMSUNG',300000),
(7,'BEAUTY','SOAP', 50000),
(8,'FASHION','JEANS',250000),
(9,'GROCERIES','DAIRY',40000),
(10,'MOBILE','APPLE',500000),
(11,'GROCERIES','SNACKS',7500),
(12,'ELECTRONICS','LIGHTS',100000),
(13, 'FURNITURE','TABLE', 45000),
(14,'MOBILE','MOTOROLA',200000),
(15,'GROCERIES','BREAD',40000),
(16,'ELECTRONICS','MIXER',150000),
(17,'MOBILE','LENOVO',200000),
(18, 'FURNITURE','SOFA', 40000),
(19,'FASHION','BAG',25000),
(20,'ELECTRONICS','TV',200000);

SELECT * FROM PRODUCTS;

TOP 5 RVENUE EARNING PRODUCTS;

SELECT * FROM PRODUCTS ORDER BY REVENUE DESC LIMIT 5;

SELECT *, RANK () OVER (ORDER BY REVENUE DESC) AS
TOP_SELLING_PRODUCTS FROM PRODUCTS;

```sql
SELECT *, DENSE_RANK () OVER (ORDER BY REVENUE DESC) AS
TOP_SELLING_PRODUCTS FROM PRODUCTS;


SELECT * FROM (
SELECT *, DENSE_RANK () OVER (ORDER BY REVENUE DESC) AS
TOP5_REVENUE_PRODUCTS FROM PRODUCTS) AS TEMP
WHERE TOP5_REVENUE_PRODUCTS <=5;
```